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APPLICATION NUMBER	FILING DATE	GRP ART UNIT	FIL FEE REC'D	ATTY. DOCKET NO.	DRAWINGS	TOT CLAIMS	IND CLAIMS
09/806,779	09/20/2001	2841	700	10806-005	5	12	1

CONFIRMATION NO. 5941

Pennie & Edmonds
1155 Avenue of the Americas
New York, NY 10036

FILING RECEIPT



OC000000006825144

Date Mailed: 10/02/2001

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Applicant(s)

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~~Christer~~ Bohm, Nacka, SWEDEN;
~~Bengt~~ J. Olsson, Tumba, SWEDEN;

Domestic Priority data as claimed by applicant

THIS APPLICATION IS A 371 OF PCT/SE99/01800 10/07/1999

Foreign Applications

SWEDEN 9803419-2 10/7/1998

Projected Publication Date: Not Applicable, filed prior to November 29, 2000

Non-Publication Request: No

Early Publication Request: No

** SMALL ENTITY **

Title

Apparatus for routing data packets in a dtm network

Preliminary Class

REFERRED TO <u>J. Hsu</u> REC'D
OCT 08 2001
Pennie & Edmonds OK. for filing

2336

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FORM PTO-1390
(REV. 11-94)U.S. DEPARTMENT OF COMMERCE
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RNEY'S DOCKET NUMBER

10806-005

**TRANSMITTAL LETTER TO THE UNITED STATES
DESIGNATED/ELECTED OFFICE (DO/EO/US)**INTERNATIONAL APPLICATION NO.
PCT/SE99/01800INTERNATIONAL FILING DATE
October 7, 1999PRIORITY DATE CLAIMED
October 7, 1998TITLE OF INVENTION
APPARATUS FOR ROUTING DATA PACKETS IN A DTM NETWORKAPPLICANT(S) FOR DO/EO/US
Per Lindgren, Christer Bohm, and Bengt Olsson

Applicant herewith submits to the United States Designated/ Elected Office (DO/EO/US) the following items under 35 U.S.C. 371:

1. ☒ This is a **FIRST** submission of items concerning a filing under 35 U.S.C. 371.
2. ☐ This is a **SECOND** or **SUBSEQUENT** submission of items concerning a filing under 35 U.S.C. 371.
3. ☒ This is an express request to begin national examination procedures (35 U.S.C. 371(f)) at any time rather than delay examination until the expiration of the applicable time limit set in 35 U.S.C. 371(b) and PCT Articles 22 and 39(1).
4. ☒ A proper Demand for International Preliminary Examination was made by the 19th month from the earliest claimed priority date.
5. ☒ A copy of the International Application as filed (35 U.S.C. 371(c)(2))
 - a. ☐ is transmitted herewith (required only if not transmitted by the international Bureau).
 - b. ☒ has been transmitted by the International Bureau.
 - c. ☐ is not required, as the application was filed in the United States Receiving Office (RO/US)
6. ☐ A translation of the International Application into English (35 U.S.C. 371(c)(2)).
7. ☒ Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))
 - a. ☐ are transmitted herewith (required only if not transmitted by the International Bureau).
 - b. ☐ have been transmitted by the International Bureaus.
 - c. ☐ have not been made; however, the time limit for making such amendments has NOT expired.
 - d. ☒ have not been made and will not be made.
8. ☐ A translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 37(c)(3)).
9. ☒ An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)). (unexecuted)
10. ☐ A translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).

Items 11. to 16. below concern document(s) or information included:

11. ☐ An Information Disclosure Statement under 37 CFR 1.97 and 1.98.
12. ☐ An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.
13. ☐ A **FIRST** preliminary amendment.
☐ A **SECOND** or **SUBSEQUENT** preliminary amendment.
14. ☐ A substitute specification.
15. ☐ A change of power of attorney and/or address letter.
16. ☐ Other items or information:

17. ☒ The U.S. National Fee (37 C.F.R. 1.492(c)(1)) and other fees as follows:

CLAIMS

(1)FOR	(2)NUMBER FILED	(3)NUMBER EXTRA	(4)RATE	(5)CALCULATIONS
TOTAL CLAIMS	12 - 20	0	X \$ 18.00	\$ 0.00
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- a. ☐ A check in the amount of \$__ to cover the above fees is enclosed.
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18. ☐ Other instructions
n/a19. ☒ All correspondence for this application should be mailed to
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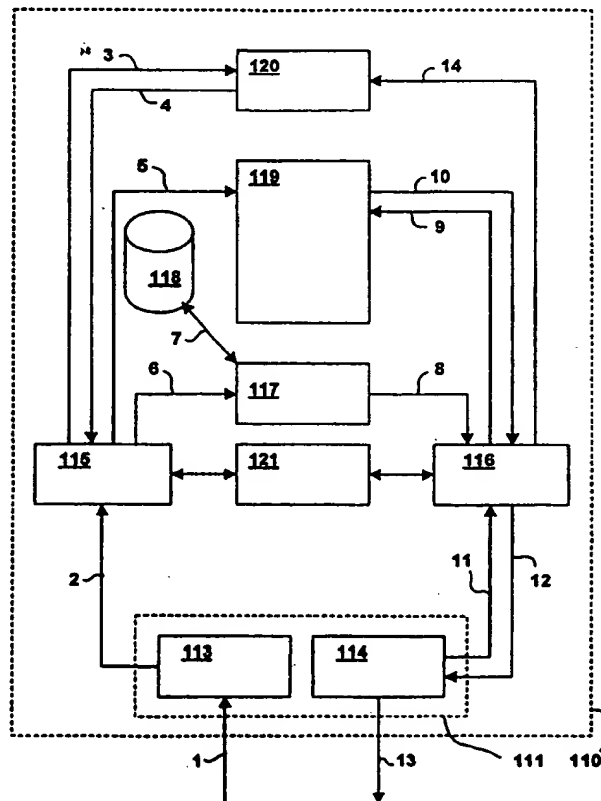
INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification ⁷ : H04L 12/56		A2	(11) International Publication Number: WO 00/21257
			(43) International Publication Date: 13 April 2000 (13.04.00)
(21) International Application Number: PCT/SE99/01800 (22) International Filing Date: 7 October 1999 (07.10.99) (30) Priority Data: 9803419-2 7 October 1998 (07.10.98) SE (71) Applicant (for all designated States except US): NET INSIGHT AB [SE/SE]; P.O. Box 42093, S-126 14 Stockholm (SE). (72) Inventors; and (75) Inventors/Applicants (for US only): LINDGREN, Per [SE/SE]; Maria Prästgårdsgata 12, S-118 52 Stockholm (SE). BOHM, Christer [SE/SE]; Varpholmsgränd 32, S-127 46 Skärholmen (SE). OLSSON, Bengt, J. [SE/SE]; Rådjursvägen 303, S-147 34 Tumba (SE). (74) Agent: AWAPATENT AB; P.O. Box 45086, S-104 30 Stockholm (SE).			(81) Designated States: CA, IL, US, European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE). Published <i>Without international search report and to be republished upon receipt of that report.</i>

(54) Title: APPARATUS FOR ROUTING DATA PACKETS IN A DTM NETWORK

(57) Abstract

The present invention refers to a circuit board to be connected to a switch core. According to the invention, the circuit board comprises: an interface (111) for receiving one or more input DTM channels from said switch core and for transmitting one or more output DTM channels to said switch core; means (115) for deriving at least a portion of a data packet received, divided into DTM time slots, in one of said input DTM channels; routing means (117) for selecting, based upon information provided in said at least a portion of a data packet, if said data packet is to be transmitted in one or more of said output DTM channels and, if so, which one or more of said output DTM channels said data packet is to be transmitted in; and output means (116) for providing one or more output DTM channels with said data packet, divided into DTM time slots, in accordance with the selection of output DTM channels made by said routing means.



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